LTR	ALTERATION	DATE	BY
A	NU-90 WAS NU-92 AN 960ALD32-10 WAS AN960-1032 AN 526 DD-8 WAS AN526DD-10 CHANGED IN B/M.		
B	ON FACE OF DWG ADDED DETAILS A, B, C, D & TYP VIEW OF THERMOCOUPLE LEAD HOLES IN WING LEADING EDGE. CHG'D ROUTING OF THERMOCOUPLE LEAD IN HULL. CHG'D TYPICAL INSTALL'N OF THERMOCOUPLE ON FACE & IN B/M ADDED Q908-A4 (30) Q5106 D10-8 (30) AC365D1032 (30) & AN931-5-9 (9). ADDED * FOR G.F.E. WT CHG. -.995		
C	ADDED TO FACE OF DWG. VIEWS E-E, F-F, G-G, J, K; ADDED TO B/M PARTS AN931-5-9 (4) TOTAL (13) AC365D1032 WAS (30) Q5106D10-8 WAS (30); Q908A14 (2) FSSC 88L-800-55 (1) WAS FSSC-18-1-381-55 (1) WT. CHG. + .0102		KAPP
D	ON FACE OF DWG. IN TYPICAL INSTALL. OF THERMOCOUPLE VIEW 3/16 x 1 WAS 1/8 x 1 SLOT IN DUCT ADDED NOTE: "WHERE THERMOCOUPLE LEADS GO THRU SLOT WRAP WITH FRICTION TAPE AND COAT WITH GLYPTOL." ALSO THERMOCOUPLE EXTENDS 3/4 IN DUCT. WT. CHG. NEG	4-11-43	
E	IN SECT. B-B & DETAIL C-C 3/16 DIM. WAS 5/8 & (REF.) WAS NOT SHOWN BEFORE DIM. ON FACE OF DWG. FSSC 88-L-800-55 WAS FSSC 18-1-381-55 ON FACE & B/M FSSC 88-T-2650 WAS FSSC 88-T-2650 WT. CHG. NEG	4-14-43	
F	ADDED NOTE 3 TO FACE OF DWG "ROUTING OF WING ANTI-ICING ... THROUGH SUPERSTRUCTURE" (SF 96728) NO WT. CHG		
G	CAC CLI 177-25 (TINNERMAN #3044F-3) (30) WAS CAC CLI-116-25 (TINNERMAN #3042-2) (30) WT. CHG. NEG	6-21-43	
H	AN931-5-9 (11) WAS (15) 1" DIA HOLE REPLACES 19/32 DIA HOLE. REMOVED DIM. 2 1/2 ADDED DIMS 9 3/4 & 5 3/8. NO WT. CHG	8-16-43	
J	Q4401-8K-0 (6) WAS C.A.C NU 90 (6) NO WT. CHG	10-1-43	
K	REMOVED NOTE 2 "CAC NU-90 RIVNUT MAYBE PURCHASED FROM B.F. GOODRICH CO. A-K-45 OR EQUIVALENT" NO WT. CHG	10-1-43	

19/32 DIA HOLE AN931-5-9
28B1726-24 (REF)
13
BELT FRAME STA. -7.25
"E-E" (C)

19/32 DIA HOLE AN931-5-9
13 1/2
BELT FRAME 7.5
"F-F" (C)
31B750-30 (REF)

STA. 475 STA. 50
-508 -607
-505 -605
-501 -601 ℄ AIRP
-502 -604
-504 -606
-506 -608
3
"G-G" (C)

#10 (.193) HOLES (8)
Q908-A14 (2)
Q5100D10-8 (8)
AC365D1032 (8)

D
D
THERMOCOUPLE F.S.S.C. 88-T-1060
STBD NACELLE

28F6922 (REF)
3/16 (REF)
(REF)
6 (REF)
3 (REF)
1 3/4 (REF)
TYPICAL LOCATION OF THERMOCOUPLE IN AIR DUCTS FROM ENGINE HEAT EXCHANGER
DETAIL C-C (B)
NO SCALE

C
C
THERMOCOUPLE F.S.S.C. 88-T-1060
PORT NACELLE

28F7824 (REF)
F.S.S.C. 88-T-2650

5
19/32 DIA HOLE (1)
AN931-5-9 (1)
28F3066 (REF) VIEW-K
28F3067 (REF) VIEW-J
7 3/8
VIEW J & K (C)
LOOKING AFT

THERMOCOUPLE F.S.S.C. 88-T-1060
B
B
THERMOCOUPLE LEAD F.S.S.C. 88-L-800-55
THERMOCOUPLE INSTALLATION IN EMPENNAGE

FRONT SPAR (REF)
8 1/2 (REF)
2 1/2 (REF)
19/32 DIA HOLE FOR THERMOCOUPLE LEAD - BOTH SIDE OF NACELLE PORT & STBD AN 931-5-9 GROMMETS 4 REQ.
1" DIA HOLE FOR RADAR CABLE BOTH SIDES OF NACELLE PORT & STBD 28F6991 (REF)
OIL TANK (REF)
TYPICAL THERMOCOUPLE LEAD HOLES IN BOTH NACELLE WALLS PORT & STBD. VIEW A-A OF 28F6991 (REF)

FRONT SPAR (REF)
28W017-10 (-11 REF)
8W3017 (REF)
CHORD LINE (REF)
9 3/4
11 5/8
1" DIA HOLE FOR 600 ASSY ONLY FOR RADAR CABLE 28F6991 (REF)
1" DIA HOLE AN931-4-16 (1)
(B) TYPICAL THERMOCOUPLE LEAD HOLES IN LEADING EDGE OF WING BLKHD #4.5
NO SCALE

F.S.S.C. 88-T-1060
28-F-7826
Q4401-8K-0
AN526DD832-10
AN960 AL-8
DETAIL D-D (B)

28F134 (REF)
19/32 DIA HOLE IN BLKHDS 7.65 INSTALL AN931-5-9 GROMMETS 3 REQ.
B E C A D
CAC CLI-177-25
Q5106 D10-8
AC365 D1032
SKIN (REF)
BELTFRAME (REF)
TYPICAL INSTALL'N OF CLIP ON BELTFRAME
CLIP TO BELTFRAME WHEREVER POSSIBLE. IF ADDITIONAL CLIPPING IS NEEDED CLIP TO STRINGER AS SHOWN.
AC365 D1032
Q5106 D10-8
CAC CLI 177-25 (G)
IF TINNERMAN TYPE CLIP 3044F-3 CAC CLI-177-25 IS NOT AVAILABLE, IT IS PERMISSABLE TO USE AN ALTERNATE Q908-A4 CLIP WITH TAPE BOGGLE. (C)
CAC CLI 177-25 MAY BE PURCHASED FROM TINNERMAN PRODUCTS CO. 3044F-3 OR EQUIV (CLEVELAND, OHIO)

SLOT FOR TAIL HEATER THERMOCOUPLE. LOCATE AS SHOWN
30°
28F6718 (REF)
WHERE THERMOCOUPLE LEADS GO THRU SLOT WRAP WITH FRICTION TAPE AND COAT WITH GLYPTOL
3/16 x 1 SLOT IN DUCT
3/4
(REF) 3/16
11
SECTION B-B (B)
NO SCALE
TYPICAL INSTALLATION OF THERMOCOUPLE
FULL SIZE

STA #	A	B	C 28F61000	D 28F61000	E 28F61000
833-725			SEE VIEW	E-E & F-F	-806
725-70			-804		
70	1/4	1	-804 & -704		
70-60			-704		
60	1/2	1/2	-704 & 604		
60-50			-604		
50	1/4	1/4	-604 & -502		
5.0-4			-504	-502	SEE SKETCH

DETAIL A (B)
NO SCALE

F.S.S.C. 88-L-800-25
FOR METHOD OF CLIPPING EXCESS THERMOCOUPLE LEAD VIEW "G-G" (C)
(B)
A
F.S.S.C. 88-L-800-55
F.S.S.C. 88-T-2650
28F6183-2 (REF) ON PBY5A
28F7824 (REF) ON PBY-5

NOTE:—
1. CLIP & TAPE THERMOCOUPLE LEADS TO STRUCTURE AS NECESSARY. LOCATION OF THERMOCOUPLES & LEADS TO BE DETERMINED ON FIRST INSTALLATION.

(A)

* 3- ROUTING OF WING ANTI-ICING THERMOCOUPLE LEADS TO FOLLOW SAME ROUTING AS ENGINE THERMOCOUPLE LEADS THROUGH SUPERSTRUCTURE (28F8032 REF.)

C NO4(S)1464
NCR 23 (23)
C 918 7A

(G)
* G.F.E.

PART NO.	STOCK	MATERIAL	SPEC	REQ -0
AC365D1032				32
Q5106 D10-8				32
CAC CLI-177-25 (TINNERMAN #3044F-3 OR Q908-A4)				30
AN931-5-9	GROMMET			11
AN931-4-16				2
	Q908 A-14			2
	* FSSC 88-T-2650			3
	* FSSC 88-L-800-25			2
	* FSSC 88-L-800-55			1
	* FSSC 88-T-1060			3
	Q4401-8K-0			6
	AN960 AL-8			6
	AN526DD832-10			6
	28F7826			3

PARTS LIST PER ASSY.

MODEL	NEXT ASSY	
PBY-5A	28F6002	1
PBY-5	28F1002	1

REQUIREMENTS FOR AIRPLANE
REPLACES
REPLACED BY
1.045
± 1/32
SCALE FULL SIZE WHERE NOTED
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE
HEAT TREAT NONE
FINISH

NAME THERMOCOUPLE INSTALLATION FURNS - HEAT ANTI-ICING EQUIPMENT
J
28F7825
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO DIV.

R
28F7825

H 435